



IoT Gateway

Secure Integration Between Distribution Devices, SCADA Networks, and Street Light Controllers

The Internet of Things (IoT) Gateway enables utilities to benefit from the distribution automation capabilities of Landis+Gyr's multi-purpose communications network, while maintaining current SCADA architecture. The IoT Gateway also enables the integration of Street Light Controller management.

Using the Landis+Gyr Integration Suite, the IoT Gateway establishes a common interface between utility applications and Command Center. This creates a secure and integrated environment for managing message traffic. The IoT Gateway

enables the flow of messages (both solicited and unsolicited) between RTUs/IEDs and their SCADA master stations using DNP3 over TCP/IP, as well as Street Light Controllers using LumenIQ over TCP/IP.

The IoT Gateway contains a mapping of DNP3 station addresses to radio addresses in the communications network. This allows packets from the master stations to be routed to the correct devices. The Landis+Gyr network platform provides network layer security and acts as a link-layer packet router for DNP3 packets.

Features and Benefits



Provides a seamless interface to Command Center without custom integration



Allows the use of advanced encryption throughout the network



Eliminates the need for API integration between IED and SCADA



Provides diagnostics and configuration tools



Interfaces with utility operating systems to increase interoperability



Allows for the seamless integration of the Street Light Controller platform

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Specifications

Command Center Application Server/DLMS, Integration Suite, Network Manager

Controller Specs	
Command Center Version	8.5 or higher
Up to 350,000 Endpoints	8 Core 2.6 GHz Processor 16 GB RAM
350,000 to 700,000 Endpoints	16 Core 2.6 GHz Processor 32 GB RAM

* Endpoint amount dependent upon average packet/second rate, database implementation, and network hardware.

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Let's build a brighter future together.

Landis+Gyr is a leading global provider of integrated energy management solutions. We measure and analyze energy utilization to generate empowering analytics for smart grid and infrastructure management, enabling utilities and consumers to reduce energy consumption. Our innovative and proven portfolio of software, services and intelligent sensor technology is a key driver to decarbonize the grid. Having enabled 9 million tons of CO₂ savings in FY 2024 through our product offerings, Landis+Gyr manages energy better – since 1896. With sales of USD 1.7 billion in FY 2024, Landis+Gyr employs around 6,300 talented people across five continents. For more information, please visit our website www.landisgyr.com.